

Jason Au-Yeung

Expected Graduation:

2027

DataSci; IEEM; BDT

Email : wcauyeungaa@connect.ust.hk

Portfolio : Jason-AY-Portfolio.com

5-month Co-op Intern at HAEKO, worked on AI-driven and data-driven solutions for operations optimization and digital transformation.

Champion of AWS AI Hackathon Hong Kong 2025 – developed the HAEKO Bay Management System for intelligent bay scheduling.

Focused on applying analytics, optimization, and AI to solve real-world operational problems.

Education

Hong Kong University of Science and Technology (HKUST)

BEng in Industrial Engineering and Engineering Management | 2023 - Present
Minor in Big Data Technology

- **Final Year Project:** Efficient Data-Driven Methods for Inventory Control.
- JIT Strategies, Monte Carlo Simulation, AutoML and Multi-Agent Systems for Inventory Optimization.
- Courses: Queueing Models (M/M/K), Stochastic Modeling, Data-Driven Optimization, System Simulation.

HKU SPACE Community College

Higher Diploma in Data Science | 2021 - 2023

- **Project 1:** Study of Christmas Effects on Livestock / Poultry Prices.
- **Project 2:** Built a YouTube database system using SQLite.
- Courses: Machine Learning, Data Mining, Big Data Analytics, InfoSec.
- Awards: **Academic Excellence Award** and **Principal's Honor List**.
- Leadership: **Class Representative** in Data Science

Experience

Speedy Group Corporation Limited

Part-time IT Support | Jul 2021 - Present

- Supported schools and startups with IT and digital operations, covering account and MDM management, servers, websites, STEM tools, IoT devices.
- Proficient in digital media production including photo and video editing.

Hong Kong Aircraft Engineering Company Limited (HAEKO)

Technology Innovation | Transformation & Technology Department
HKUST Co-op Intern | Sep 2025 - Jan 2026

- Partnered with engineers and management to prototype digital transformation projects under HAEKO's innovation roadmap.
- **Solely planned and organized** the company's **first Techathon**, building a framework for future internal-to-external innovation programs.
- Advanced innovation through **Technology Adoption, Lean Management, and Stakeholder Engagement**.
- Master of Ceremony(MC) at HAEKO Lean Day 2025, engaging executives in the Annual Kaizen and Lean Excellence showcase.

Hong Kong University of Science and Technology (HKUST) ITSO Student Internship Program 2025-26 | Feb 2026 - Jun 2026

- IT support in Computer Barns, WIFI, Printers and Duo 2FA assistance.
- IT asset lifecycle management and inventory control for computing equipment and peripherals.

Awards & Leadership

- **Grand Prize – AWS AI Hackathon Hong Kong 2025**
130+ shortlisted teams; Project built with HAEKO Team within 14 days.
- **MC – HAEKO Lean Day 2025**
HAEKO's significant annual program for continuous improvement.
- **Lead Organizer – HAEKO Techathon 2026**
Involved & Designed HAEKO's first internal to external innovation competition.
- **Lead Organizer – Class Representative in DS 2023**
The liaison between 80+ students and instructors to improve courses experience.

Skills

Technical Skills

- Programming & Data: Python, R, Octave, SQLite
- Generative AI & AI Agent Tools: **AWS Q Developer, Krio**, OpenAI Codex
- Productive Tools: MS Office, Canva, Adobe Creative.

Soft Skills and Languages

- Soft Skills: Critical Thinking, Decision Making, Teamwork, Negotiation Skill
- Languages: English, Cantonese, Mandarin

Certifications

- Certificate of Outstanding Achievement and Innovation – HAEKO, 2025
- SEN, Disability & Equality in Higher Education (Module 1-3) – HKUST, 2025

Hackathons

Grand Prize Winner — AWS AI Hackathon Hong Kong 2025

HAEKO Bay Management System | Sep 2025 (14-day built)

Lead Developer & Demo Video Presenter

- Developed an AI-based aircraft bay scheduling optimization platform with real-time visualization and interactive dashboards.
- **Collaborated with HAEKO engineers** to design, build, and refine a functional prototype within 14 days, leveraging Amazon Q Developer and Kiro as development support tools.
- **Led the demo presentation and video production**, delivering system walkthrough, UI design, and visual storytelling.
- Awarded the Grand Prize among 130+ shortlisted teams at **Hong Kong's first and largest AWS AI Hackathon**.

Devpost: devpost.com/software/aircraft-bay-management

Source: [SCMP](#), [unwire.hk](#)

Interviewed at re:Invent: [unwire.hk \(08:59 HAEKO: Bay Management System\)](#)

Tech Stack: HTML, CSS, JavaScript, AWS Q Developer, Kiro AI, AI Integration